



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 3-3928-00001/00027

Renewal Number: 3

12/21/2015

Facility Identification Data

Name: ALGONQUIN GAS: STONY POINT COMPRESSOR STA

Address: LINDBERG RD

STONY POINT, NY 10980

Owner/Firm

Name: ALGONQUIN GAS TRANSMISSION LLC

Address: PO BOX 1642

HOUSTON, TX 77251-1642, USA

Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:

Name: DENSFORD D ESCARPETA

Address: NYSDEC - WHITE PLAINS SUBOFFICE

100 HILLSIDE AVE STE 1W

WHITE PLAINS, NY 10603

Phone:9143428250

Division of Air Resources:

Name: DENSFORD D ESCARPETA

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100 HILLSIDE AVE STE 1W

WHITE PLAINS, NY 10603

Phone:9144282505

Air Permitting Facility Owner Contact:

Name: REGAN MAYCES

Address: ALGONQUIN GAS TRANSMISSION COMPANY

PO BOX 1642

HOUSTON, TX 77251-1642

Phone:7136274790

Permit Description

Introduction

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project

Permit renewal including Algonquin Incremental Market (AIM) project modification. Algonquin Gas Transmission, LLC is proposing to increase the pipeline size and compressor station horsepower along



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Algonquin's existing mainline from Ramapo, New York to multiple mainline delivery points in Connecticut and Massachusetts and Greenfield facilities lateral to West Roxbury, Massachusetts. Collectively, this project is referred to as the AIM project. The AIM project will require the addition of horsepower at five existing compressor stations, including Stony Point Compressor station (Stony Point) in Stony Point, New York. As part of the AIM project, Algonquin is proposing to install the following equipment at Stony Point: Two (2) new Solar Mars 100-16002S4 15,900 HP (ISO) natural gas fired turbine-driven compressors, Emission Unit (EU) T-00009); one (1) exempt new Waukesha VGF36GL (585 bhp) natural gas fired emergency generator; two (2) exempt Cameron natural gas fired gas heaters rated at 0.8 MMBtu/hr and 0.4 MMBtu/hr and; a new gas cooler for the new compressor units.

In addition to the AIM project, Algonquin is also proposing to complete a separate project that involves several modifications and environmental improvements on existing equipment at the Stony Point station. These includes the permanent shut down of the existing natural gas fired Solar Mars 90-12000 turbine compressor driver (Emission Source (ES)-00007); installation of a new Solar Mars 100-16002S4 (ES-00071) 15,900 HP natural gas fired turbine-driven compressor unit with a vendor-guaranteed NOx emission rate of 9 ppm (15% O₂); modification to existing equipment stacks; permanent shut down of four (4) existing natural gas fired 2,700 hp Clark TLA-8 reciprocating engines (EUs R-00001, R-00002, R-00003, R-00004); permanent shut down of an existing 6.3 MMBtu/hr heat input Cleaver-Brooks boiler; and Installation of an exempt new remote reservoir parts washer. The schedule commence construction date for the proposed project is March 2016.

The proposed modification project potential to emit for NO_x, VOC and PM_{2.5} will be limited to 58.1 tpy, 27.1 tpy, and 11.4 tpy respectively in order to net out of 6 NYCRR Part 231-6.2 Nonattainment New Source review (NNSR) and 6 NYCRR Part 231-8.2 for NO_x Prevention of Significant Deterioration (PDS) applicability. The NO_x limit also applies to PM_{2.5} NNSR precursor emissions. The three (3) new Solar Mars 100-16002S4 turbins (ES-00071, 00009 and 00010) will be subjected to a NO_x concentration limit of 9 ppmv at 15% O₂ during normal operation based on manufacturer guarantee. In addition, these units will also be subjected to VOC and CO limits as guaranteed by the manufacturer.

In order to net out of NNSR and PSD requirements, the Department intends to certify NO_x, VOC, and PM_{2.5} emission reduction credits (ERCs) of 33.2, 2.2 and 1.5 tpy respectively based on the AGT proposed internal reductions. The ERCs that are being applied for NNSR and NO_x PSD netting analyses reduces the projected emission potential below applicable Part 231-13 Tables 3, 4 and 6 significant net emission increase (NEI) thresholds. Upon issuance of the permit for the proposed modification, the ERC Registry will be amended to reflect the ERCs that have been committed to the netting analyses and those remaining for future use.

Air dispersion modeling results indicate that the air quality impacts from the facility including existing source and the proposed modifications under AIMs and ATG will meet NYSDEC Air Guide 1 short-term and Annual Toxic Guideline Concentrations (SGCs and AGCs), as well as the National Ambient Air Quality Standards (NAAQS) for NO₂.

For greenhouse gas (GHG), the project net emission increase is above 6 NYCRR Part 231-13 Table 6 significant threshold of 75,000 tpy. However, based on the recent Supreme Court decision addressing Prevention of Significant Deterioration (PSD) permitting requirement, the Department is utilizing its enforcement discretion regarding 6 NYCRR 231-8 PSD applicability for GHG.

To demonstrate compliance with turbine emission rates, the facility will be conducting stack testing. For VOC, NO_x and CO, performance testing is to demonstrate compliance with vendor guaranteed emission rates and for PM_{2.5} to demonstrate compliance with EPA AP 42 emission factor. The NO_x vendor



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guaranteed emission rate of 9 ppmvd (15%O₂) is more stringent than both 6 NYCRR Part 227-2.4(e)(1) RACT limit of 50 ppmvd(15%O₂) and NSPS 40 CFR60 Subpart KKKK (60.4320(a)) limit of 25 ppm (15%O₂). Given the more stringent limit and for streamlining, the RACT and NSPS limits are not included in the permit.

Attainment Status

ALGONQUIN GAS: STONY POINT COMPRESSOR STA is located in the town of STONY POINT in the county of ROCKLAND.

The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter< 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO ₂)	ATTAINMENT
Ozone*	SEVERE NON-ATTAINMENT
Oxides of Nitrogen (NO _x)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NO_x) which are ozone precursors.

** NO_x has a separate ambient air quality standard in addition to being an ozone precursor.

Facility Description:

The Algonquin Gas Stony Point Compressor Station is a compressor station for the transmission of natural gas located in the town of Stony Point, Rockland County, New York. This natural gas compressor station is one of many that span the nationwide pipeline grid that provides the necessary pressure increase to maintain flow of natural gas. The Standard Industrial Classification (SIC) Code representative of the facility is 4922 -Natural Gas Transmission. All combustion units utilize pipeline quality natural gas.

The facility primarily consists of: Four (4) 2,700 hp Clark TLA-8 gas-fired reciprocating engines (Emission Units, R-00001, R00002, R-00003, R-00004) to be permanently shutdown by the proposed modification; Two (2) Solar Taurus 60-07802S3 gas-fired turbines (EU T-00008) ; One (1) Solar Mars 90-12000 gas-fired turbine (EU T-00007), emission source (00007), to be permanently shutdown by the proposed modification; and several exempt sources with heat inputs less than 10 MMBtu/hr and on natural gas-fired generator.

The proposed modifications includes the following additional combustion source installation: Three (3) new Solar Mars 100-16002S4 15,900 HP (ISO) natural gas fired turbine-driven compressor units with a vendor-guaranteed NO_x emission rate of 9 ppm (ES 00071, 00009, 00010); One (1) exempt new Waukesha VGF24GL (585 bhp) natural gas fired emergency generator; Two (2) exempt Cameron t natural gas fired gas heaters rated at 0.8 MMBtu/hr and 0.4 MMBtu/hr.

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Permit Structure and Description of Operations

The Title V permit for ALGONQUIN GAS: STONY POINT COMPRESSOR STA is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:

- combustion - devices which burn fuel to generate heat, steam or power
- incinerator - devices which burn waste material for disposal
- control - emission control devices
- process - any device or contrivance which may emit air contaminants that is not included in the above categories.

ALGONQUIN GAS: STONY POINT COMPRESSOR STA is defined by the following emission unit(s):

Emission unit R00001 - One natural gas fired reciprocating compressor engine Clark Model TLA-8. This unit will be removed prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.

Emission unit R00001 is associated with the following emission points (EP):
00001

Process: 101 is located at Building C001 - One natural gas fired reciprocating compressor engine Clark model TLA-8.

Emission unit R00002 - One natural gas fired reciprocating compressor engine Clark Model TLA-8. This unit will be removed prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.

Emission unit R00002 is associated with the following emission points (EP):
00002

Process: 102 is located at Building C001 - One natural gas fired reciprocating compressor engine Clark Model TLA-8.

Emission unit R00003 - One natural gas fired reciprocating compressor engine Clark Model TLA-8. This unit will be removed prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.



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Emission unit R00003 is associated with the following emission points (EP):

00003

Process: 103 is located at Building C001 - One natural gas fired reciprocating compressor engine Clark model TLA-8.

Emission unit R00004 - One natural gas fired reciprocating compressor engine Clark Model TLA-8. This unit will be removed prior to the new turbines (EU T-00007 and EU T-00009) being released for commercial service.

Emission unit R00004 is associated with the following emission points (EP):

00004

Process: 104 is located at Building C001 - One natural gas fired reciprocating compressor engine Clark model TLA-8.

Emission unit T00007 - One new Solar Mars 100-16002S4 compressor turbine rated at 15,900 hp. The turbines will fire pipeline natural gas only and is equipped with SoLoNox dry low emission technology and oxidation catalyst. Anticipated installation by November 1, 2015. Existing emission source (ES 00007) will be removed prior to the startup of the new turbine (ES 00071).

Emission unit T00007 is associated with the following emission points (EP):

00007

Process: 107 is located at Building C002 - One 97.7 MMBtu/hr Solar Turbines, Inc. Mars Model T-1200S gas turbine.

Process: 207 is located at Building C002 - One Solar Mars 100-1600S2 natural gas turbine operating at temperature above 0 F at all operating loads.

Process: T07 is located at Building C002 - One Solar Mars 100-1600S2 natural gas turbine operating at temperatures below 0 F at all operating loads.

Emission unit T00009 - Two new Solar Mars 100-16002S4 compressor turbines rated at 15,900 hp. The turbines will fire pipeline natural gas only and is equipped with SoLoNox dry low emission technology and oxidation catalyst. Anticipated emission unit installation by November 1, 2016.

Emission unit T00009 is associated with the following emission points (EP):

00010, 00091

Process: 209 is located at Building C002 - Two Solar Mars 100-1600S2 natural gas turbines operating at temperatures below 0 F at all operating loads.

Process: T09 Two Solar Mars 100-1600S2 natural gas turbines operating at temperatures below 0 F at all operating loads.

Emission unit G00001 - One Waukesha (585 bhp) natural gas fired emergency generator. The



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emergency , however, the unit is subject to the applicable requirements of 40 CFR Part 60, Subpart JJJJ.

Emission unit G00001 is associated with the following emission points (EP):
G0001

Process: 00G is located at Building AUX02 - Waukesha VGF24GL 585 bhp natural gas fired emergency generator.

Emission unit EI0001 - Fugitive Emissions.

Process: E05 Fugitive emissions from pipeline components and gas releases.

Emission unit T00008 - Two Solar Taurus 60-07802S3 compressor turbines firing pipeline quality Natural Gas.

Emission unit T00008 is associated with the following emission points (EP):
00081, 00082

Process: 108 is located at Building C001 - Two Solar Turbines, Inc. Model 60-7802S operating at temperatures above 0 degrees F when operating at loads at or above 75 percent peak load.

Process: T08 is located at Building C001 - Two Solar Turbines, Inc. Model 60-7802S operating at temperatures at or below 0 degrees F or at at operating loads below 75 percent peak load.

Title V/Major Source Status

ALGONQUIN GAS: STONY POINT COMPRESSOR STA is subject to Title V requirements. This determination is based on the following information:

ALGONQUIN GAS: STONY POINT COMPRESSOR STATION is subject to Title V requirements. This determination is based on the following information:

Facility is located in ozone severe non-attainment and is major source for NOx, CO, and VOC.

Before the shutdown of the four (4) existing natural gas Clark TLA-8 reciprocating engines (EUs R-00001, R-00002, R-00003, R-00004) the facility is a major for total HAPs emissions, however, will become a minor source for total HAPs after the proposed modifications.

Program Applicability

The following chart summarizes the applicability of ALGONQUIN GAS: STONY POINT COMPRESSOR STA with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	YES
NSR (non-attainment)	NO

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NESHAP (40 CFR Part 61)	NO
NESHAP (MACT - 40 CFR Part 63)	YES
NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52, 6 NYCRR 231-7, 231-8) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NSR New Source Review (6 NYCRR 231-5, 231-6) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NESHAP National Emission Standards for Hazardous Air Pollutants (40 CFR 61, 6 NYCRR 200.10) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63, 6 NYCRR 200.10) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

NSPS New Source Performance Standards (40 CFR 60, 6 NYCRR 200.10) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

Title IV Acid Rain Control Program (40 CFR 72 thru 78, 6 NYCRR 201-6) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

RACT Reasonably Available Control Technology (6 NYCRR Parts 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by



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application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH, 6 NYCRR 200.10) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

Compliance Status

Facility is in compliance with all requirements.

SIC Codes

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis

of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code

Description

4922

NATURAL GAS TRANSMISSION

SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information.Each SCC represents

a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code

Description

2-01-002-02

INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION
ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - NATURAL GAS

2-03-001-02

Reciprocating
INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL
COMMERCIAL/INSTITUTIONAL IC ENGINE - DISTILLATE OIL (DIESEL)

2-03-002-01

Turbine
INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL
COMMERCIAL/INSTITUTIONAL IC ENGINE - NATURAL GAS

2-03-002-02

Reciprocating
INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL
COMMERCIAL/INSTITUTIONAL IC ENGINE -

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2-88-888-01

NATURAL GAS
 Turbine
 INTERNAL COMBUSTION ENGINES - FUGITIVE
 EMISSIONS
 INTERNAL COMBUSTION ENGINE: FUGITIVE
 EMISSIONS, OTHER/NOT CLASSIFIED
 Specify in Comments

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount of material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant Name	PTE	
		lbs/yr	Range
000071-43-2	BENZENE		> 0 but < 10 tpy
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS		>= 100,000 tpy
000630-08-0	CARBON MONOXIDE		>= 250 tpy but < 75,000 tpy
000050-00-0	FORMALDEHYDE		> 0 but < 10 tpy
000110-54-3	HEXANE		> 0 but < 10 tpy
007439-92-1	LEAD		> 0 but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN		>= 250 tpy but < 75,000 tpy
0NY075-00-0	PARTICULATES		>= 10 tpy but < 25 tpy
0NY075-02-5	PM 2.5		>= 10 tpy but < 25 tpy
0NY075-00-5	PM-10		>= 10 tpy but < 25 tpy
007446-09-5	SULFUR DIOXIDE		>= 2.5 tpy but < 10 tpy
0NY100-00-0	TOTAL HAP		>= 50 tpy but < 100 tpy
0NY998-00-0	VOC		>= 100 tpy but < 250 tpy

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS



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Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;
- (3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.2(a)(4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(d)(12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in

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the document are true, accurate, and complete.

- Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.4(a)(3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.
- Item H: Property Rights - 6 NYCRR 201-6.4(a)(6)**
This permit does not convey any property rights of any sort or any exclusive privilege.
- Item I: Severability - 6 NYCRR Part 201-6.4(a)(9)**
If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.
- Item J: Permit Shield - 6 NYCRR Part 201-6.4(g)**
All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:
- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
 - ii. The liability of a permittee of the Title V facility for any violation of



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applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR Part 201-6.4(i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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Item M: Federally Enforceable Requirements - 40 CFR 70.6(b)
 All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5
 Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
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FACILITY	ECL 19-0301	61	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 52-A.21	37	Prevention of Significant Deterioration
FACILITY	40CFR 60-A.7	38	General provisions - Notification and recordkeeping
T-00008	40CFR 60-A.8(c)	59	Performance Tests
FACILITY	40CFR 60-GG.334 (h) (2)	39	Nitrogen content of fuel in a gas turbine
FACILITY	40CFR 60-GG.334 (h) (3)	40	Allowance not to monitor sulfur or nitrogen for natural gas
G-00001/-/00G/EG001	40CFR 60-JJJJ.4233 (e)	50, 51, 52	Emission limits for IC Engines > 100 HP
G-00001	40CFR 60-JJJJ.4243 (b) (2)	49	SI ICE - Maintenance Plan and testing
G-00001/-/00G/EG001	40CFR 60-JJJJ.4244	53	Test methods and



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G-00001/-/00G/EG001	40CFR 60-JJJJ.4245 (a)	54	procedures Notification, reporting and recordkeeping requirements
G-00001/-/00G/EG001	40CFR 60-JJJJ.4245 (c)	55	Initial notification for engines > 500 HP
G-00001/-/00G/EG001	40CFR 60-JJJJ.4245 (d)	56	Performance test requirements
FACILITY	40CFR 60-KKKK.4340 (a)	41	Stationary Combustion Turbine NSPS - Continuous compliance with NOx limit
FACILITY	40CFR 60-KKKK.4365 (a)	42	Stationary Combustion Turbine NSPS - Exemption from monitoring total sulfur content of fuel
FACILITY	40CFR 63-DDDDD	43	Boilers and Process Heaters Major Source NESHAP rule
FACILITY	40CFR 63-YYYY.6095 (d)	44	Stationary Combustion Turbine NESHAP - Stay of Standards
FACILITY	40CFR 63-ZZZZ.6645 (f)	45	Reciprocating Internal Combustion Engine (RICE) NESHAP - Notification of complianace status
FACILITY	40CFR 68	20	Chemical accident prevention provisions
FACILITY	40CFR 82-F	21	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	62	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	11	Recycling and Salvage
FACILITY	6NYCRR 201-1.8	12	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2 (a)	13, 14	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	15	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	22, 23, 24, 25, 26, 27, 28, 46, 47	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4 (a) (4)	16	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4 (a) (7)	2	General Conditions - Fees
FACILITY	6NYCRR 201-6.4 (a) (8)	17	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4 (c)	3	Recordkeeping and



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FACILITY	6NYCRR 201-6.4 (c) (2)	4	Reporting of Compliance Monitoring Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4 (c) (3) (ii)	5	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4 (d) (4)	29	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4 (e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.4 (f) (6)	18	Off Permit Changes
FACILITY	6NYCRR 201-7	48	Federally Enforceable Emissions Caps
FACILITY	6NYCRR 202-1.1	19	Required emissions tests.
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	30	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	63	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 227-1.3 (a)	31	Smoke Emission Limitations.
FACILITY	6NYCRR 227-2.4 (e) (1)	32	Simple cycle combustion turbines.
FACILITY	6NYCRR 231-10	36	Emission Reduction Credits (ERCs)
FACILITY	6NYCRR 231-6.2	33, 34, 35	Netting

Applicability Discussion:

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7

Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an



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applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.4 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.



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6 NYCRR 201-6.4 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (5)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.4 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1

Requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calENDar year.

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2



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This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

Facility Specific Requirements

In addition to Title V, ALGONQUIN GAS: STONY POINT COMPRESSOR STA has been determined to be subject to the following regulations:

40 CFR 52.21

This citation applies to facilities that are subject to Prevention of Significant Deterioration provisions;

ie: facilities that are located in an attainment area and that emit pollutants which are listed in 40 CFR 52.21(b)(23)(i) .

40 CFR 60.334 (h) (2)

This regulation requires the owner or operator of a gas turbine to monitor the nitrogen content of the fuel burned in the gas turbine.

40 CFR 60.334 (h) (3)

This regulation allows the owner or operator of a gas turbine to not monitor the fuel for sulfur or nitrogen content if the fuel meets the 40 CFR 60.331(u) definition of natural gas.

40 CFR 60.4233 (e)

This regulation sets the emission limit for internal combustion engines greater than 100 horsepower.

40 CFR 60.4243 (b) (2) (ii)

This regulation requires the owner or operator of a stationary SI internal combustion engine greater than 500 HP to keep a maintenance plan and records of conducted maintenance and must, to the extent



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practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.

40 CFR 60.4244

This regulation specifies the test methods and procedures to be used by owners or operators of spark ignited internal combustion engines.

40 CFR 60.4245 (a)

This regulation sets forth the notification, reporting and recordkeeping requirements for 40 CFR 60 Subpart JJJJ, for owners and operators of stationary spark ignited internal combustion engines.

40 CFR 60.4245 (c)

This regulation sets forth the notification requirements for engines larger than 500 horsepower.

40 CFR 60.4245 (d)

Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in §60.4244 within 60 days after the test has been completed.

40 CFR 60.4340 (a)

This condition specifies NOx annual testing requirement for turbines.

40 CFR 60.4365 (a)

This section provides an exemption from monitoring total sulfur content of the fuel used by a facility.

40 CFR 60.7

40 CFR 60.8 (c)

This condition contains the requirements for operating conditions, of the emission source, during performance testing.

40 CFR 63.6095 (d)

This section describes the stay of standards that applies to new or reconstructed gas-fired lean premix stationary combustion turbines. The owner or operator of such a turbine must submit an initial



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notification as required by 40 CFR 63.6145, but need not comply with any other standards under Subpart YYYYY until EPA takes final action to require compliance.

40 CFR 63.6645 (f)

This regulation requires the facility to submit its initial notification in the format specified in 40 CFR 63 Subpart A.

40 CFR Part 63, Subpart DDDDD

This subpart establishes national emission limits and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters located at major sources of HAP emissions. It also establishes requirements to demonstrate initial and continuous compliance with the emission limits and work practice standards.

6 NYCRR 211.1

This regulation requires that no person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property.

6 NYCRR 227-1.3 (a)

This regulation prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

6 NYCRR 227-2.4 (e) (1)

Presumptive NOx RACT emission limits for simple cycle combustion turbines.

6 NYCRR 231-6.2

This section establishes the requirements for performing a netting analyses.

6 NYCRR Subpart 201-7

This regulation sets forth an emission cap that cannot be exceeded by the facility. In this permit that cap is

6 NYCRR Subpart 231-10

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This subpart outlines the procedures used to create and use emission reduction credits (ERCs).

Compliance Certification
Summary of monitoring activities at ALGONQUIN GAS: STONY POINT COMPRESSOR STA:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring

FACILITY	37	record keeping/maintenance procedures
FACILITY	38	record keeping/maintenance procedures
FACILITY	39	record keeping/maintenance procedures
FACILITY	40	record keeping/maintenance procedures
G-00001/-/00G/EG001	50	intermittent emission testing
G-00001/-/00G/EG001	51	intermittent emission testing
G-00001/-/00G/EG001	52	intermittent emission testing
G-00001	49	record keeping/maintenance procedures
G-00001/-/00G/EG001	54	record keeping/maintenance procedures
G-00001/-/00G/EG001	55	record keeping/maintenance procedures
FACILITY	41	record keeping/maintenance procedures
FACILITY	42	record keeping/maintenance procedures
FACILITY	43	record keeping/maintenance procedures
FACILITY	44	record keeping/maintenance procedures
FACILITY	45	record keeping/maintenance procedures
FACILITY	14	work practice involving specific operations
FACILITY	23	intermittent emission testing
FACILITY	24	intermittent emission testing
FACILITY	25	record keeping/maintenance procedures
FACILITY	26	intermittent emission testing
FACILITY	27	intermittent emission testing
FACILITY	28	intermittent emission testing
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
T-00007	57	monitoring of process or control device parameters as surrogate
T-00008	58	monitoring of process or control device parameters as surrogate
T-00009	60	monitoring of process or control device parameters as surrogate
FACILITY	7	record keeping/maintenance procedures
FACILITY	31	monitoring of process or control device parameters as surrogate
FACILITY	32	intermittent emission testing
FACILITY	36	record keeping/maintenance procedures
FACILITY	33	monitoring of process or control device parameters as surrogate
FACILITY	34	monitoring of process or control device parameters as surrogate
FACILITY	35	monitoring of process or control device parameters as surrogate



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Basis for Monitoring

Monitoring of natural gas usage used to determining VOC, NOx, and PM 2.5 emission limits.